SMART move
INNOVATIVE URBAN MOBILITY CHALLENGE
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National Institute of Urban Affairs | Ministry of Housing and Urban Affairs, Government of India | giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH | CITIES FORUM | Smart City | german cooperation | Green Urban Mobility Partnership

Partner Cities

Surat Smart City | Cochin Smart Mission Limited | Bengaluru Smart City | New Delhi Municipal Council Smart City Limited | Hubballi Dharwad Smart City Limited | Government of Assam, Guwahati Development Department, Guwahati Smart City Limited

Data Partners

Capital Region Urban Transport
Bhubaneswar Puri Transport Services evolved into Capital Region Urban Transport with the vision to reorganize the public transit services in the city. CRUT has shared bus ticketing data of Bhubaneswar city with SMART move.

Delhi Integrated Multi-Modal Transit System
(DIMTS) Ltd. is an urban transport and infrastructure development company committed to build and deliver quality infrastructure. DIMTS has shared Electronic Ticketing Machine data for multiple routes with SMART move.

Delhi Metro Rail Corporation Limited
The Delhi Metro is a mass rapid transit system serving Delhi and and the National Capital Region of India. DMRC would be sharing data on passenger footfall at stations.

Delhi Transport Corporation
Delhi Transport Corporation is the main public transport operator of Delhi. It has shared the static GTFS schedule for DTC.

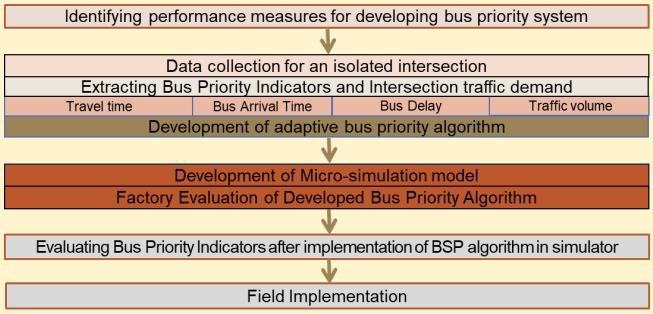
Bangalore Metropolitan Transport Corporation
BMTC is a government agency that operates the public transport bus service in Bengaluru, India. It has shared the schedule data of BMTC buses.

Assam State Transport Corporation
ASTC is a state government owned road transport corporation of Assam, India which provides bus services within Assam and adjoining states. It has facilitated sharing of data for public transport in Guwahati.

Idea Profiles : Theme - Operations and Service

Development of ITS-Based System Architecture towards Multi-Modal Integration on BRTS Corridor

Team: SVNIT
Shriniwas Arkatkar, Gaurang Joshi, Rajesh Krishnan, Aman Pandey

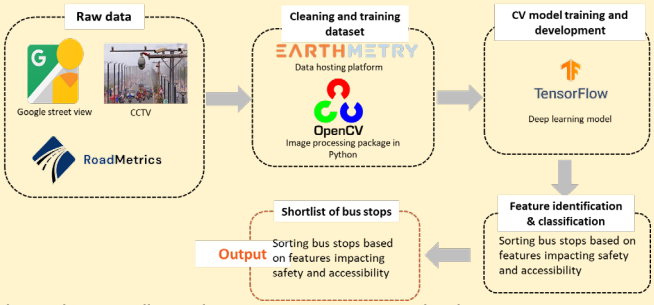


The solution deals with real-time Bus Signal Priority (BSP) strategy.

- An isolated intersection will be instrumented with RFID sensors for estimating real time demand.
- Bus GPS data will be used for estimating travel time, arrival time & delay
- BSP algorithm will be developed considering real-time traffic demand & bus delays. Objective will be to reduce bus delay at intersection.
- Performance of algorithm will be measured by percentage change in bus delay and schedule adherence

Rapid Assessment of Bus Stop Infrastructure using Computer Vision

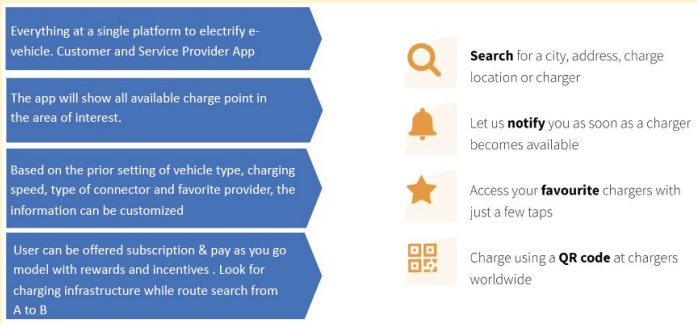
Team: Council on Energy, Environment and Water
Himani Jain, Abhinav Soman, Rachna Pathak



This solution will employ computer vision technology to carry out rapid assessments of personal safety, accessibility and other infrastructure attributes of bus stops. Image and video data will be procured from the existing databases of Google Street View, RoadMetrics, and CCTV footage. A deep learning approach will allow the model to sort image data by detecting features such as obstructions, lights and natural surveillance. The model will be deployed as a web-tool for ULBs to identify bus stops that need upgrade.

Electric Charging as a Service

Team: EVERSTech
Suraj Patel, Vishnu Menon, Malyaj Likhar, Jatin Patel



SMART MOVE: Innovative Urban Mobility Challenge
National Institute of Urban Affairs
1st and 2nd Floor, Core 4B, India Habitat Centre, Lodhi Road, New Delhi -110003, India
Email: smartmove@niua.org Website: https://smartmove.niua.org

Connect with us:

Team: Ankit Rai, Anusha Mishra, Nabamalika Joardar